

City of Chandler Utility Permit Manual

Requirements for Working in the City Rights-of-Way and Utility Easements

UDM-148



Transportation & Development Department
Engineering Division
215 E. Buffalo Street
Chandler, Arizona 85225

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I. PURPOSE

The purpose is to describe the requirements for securing a permit for utility construction in the public rights-of-way.

The City of Chandler grants permissions for locating existing utilities and for construction or maintenance work in Public Rights-of-Way (ROW) and Public Utility Easements (PUE) by issuance of a permit per [Section 46.2 of Part VII](#) of the Chandler City Code.

The City of Chandler administers planning, permitting, and construction process in accordance with [Arizona Utility Coordinating Committee \(AUCC\) Public Improvement Project Guide](#), the [Maricopa Association of Governments \(MAG\) uniform standard specifications](#), and [City of Chandler Supplement to the MAG](#).

Permits (and/or/annual blanket permits) are necessary to assure that all utilities are constructed; in proper location with adequate spacing, built in accordance with current specifications, and liability issues properly addressed. Permits are also required for maintenance, access, and locating existing facilities.

Engineered construction drawings (plans) must be submitted for review. The objective is to make optimum utilization of the space available in the public rights-of-way and public utility easements, to assure compliance with all City policies and specifications, to coordinate with other utility companies, agencies, and City project activities, and to reduce the risk and/or inconvenience to the public.

II. PERMIT PROCESS – OVERVIEW

A [permit application for Construction in Public Rights-of-Way and Public Utility Easements and associated documents](#) are submitted to the City of Chandler, Transportation and Development Department (215 East Buffalo Street) together with a minimum of three (3) sets of construction drawings, details, notes, pictures, etc.

Upon receiving the application and appropriate drawings, details, notes, etc., City staff will log the request into the City's automated permit system and route the documents for technical review.

This review includes checking for compliance with construction standards, approving alignments, verifying that the work is in the public rights-of-way or public utility easement, determining if other work is occurring at the same time or site, verifying that all joint trench opportunities have been incorporated into the design, checking for conflicts, determining if the work is proposed in newly paved streets or alleys, verifying that proper pavement replacement or bore requirements have been incorporated into the plans, and verifying that all City requirements have been met. The City requires that all permitted projects comply with the [Arizona Utility Coordinating Committee](#) project models, including the [Joint Use Trench Model and the Western Underground Trench Formula](#) (see Joint Use Trench section).

Upon completion of the review (approximately twelve (12) working days), the permit application will be either issued to the applicant or returned for further modification. Permits are generally issued to expire up to one (1) year from the date issuance, unless otherwise specified.

Special conditions or stipulations are added to the permit, so it is important that the applicant carefully review the permit for compliance. In addition, if the company obtaining the permit represents the company that has a License, Franchise or ROW Use Agreement with the City that is authorized by Chapter 46 of the Chandler City Code, then there may be other conditions attached to the permit and the company is responsible to adhere to these conditions.

If additions or corrections are required to the plans or permit application, the applicant will be notified and asked to make corrections and resubmit.

III. PERMIT APPLICATION AND FEES

To obtain a permit, two (2) documents and three (3) plan sets shall be submitted before a permit will be issued. The documents required for a permit are the "[Civil Improvements/Encroachment Permit & Street Cut Application](#)" form (UDM-012), and the "[Certificate of Quantities for Encroachment Permits](#)" form (UDM-008). The forms are supplied by the City of Chandler and are available online under "SECTION 7: Off-Site Inspection and Permitting" of the [Unified Development Manual](#) (UDM) and referred to in this manual as "[Exhibit A](#)".

Annual Permits (which are sometimes referred to as Annual Blanket Permits or Annual Maintenance Permits) are issued for emergency work and for reoccurring minor facility maintenance work in public rights-of-way and public utility easements only. These permits authorize a company to perform routine minor work where no excavation is involved. Such work includes only: splicing in existing vaults or pedestals, module swaps, remove/replace faceplates, conduit proofing, remove/replace a single node, and to remove/replace single line extenders (aka amplifiers or repeaters). New placement of aerial facilities is **NOT ALLOWED** as part of these permits including: aerial span replacement of faulty plant and fiber/coax cable including over lashing to existing plant, or installation of new strands. Emergency work restoration shall be permitted under a separate "[Civil Improvements/Encroachment Permit & Street Cut Application](#)" form (UDM-012), not under an Annual Permit. Contact the City's Utility Coordinator for verbal instructions on emergency work restoration at 480-782-3310.

Permittees must demonstrate proof of insurance with agreed to limits of liability and naming the City as additionally insured before issuance of any permits. Specifics for these may be specified in the License, Franchise or ROW Use Agreement with the City. The fee and insurance requirement may be satisfied by agreement, but proof of such should be on file with the City.

Permit fees and other construction costs are collected upon issuance of each individual permit in accordance with the Fee Schedule outlined ([Exhibit E](#)) – except as specified by a License, Franchise or ROW User Agreement.

Seal coat charges are also collected upon permit issuance in accordance with MAG Section 336.2.4.

Permission to excavate in new streets will not be granted for two (2) years after completion of street construction, rehabilitation, or renovation. Exceptions will be granted for emergencies, which endangers life or property, interruption of essential utility service, work mandated by government, or services for buildings where no feasible means of providing service exists. A pavement restoration fee for early deterioration will be assessed for cutting new or resurfaced pavement less than six (6) years old. For more clarification refer to ([Exhibit J](#)) and detailed Chandler City Code, [Chapter 46-2.7](#).

IV. CONSTRUCTION PLAN REQUIREMENTS

A. Plan View Requirements – Refer to the Utility Plan Review Checklist, ([Exhibit D](#)) – Complete construction plan drawings shall be provided in accordance with the following:

1. Include stationing and offsets for all existing and proposed facilities within the proposed construction area.
2. Scale or dimension drawing to accurately depict relationships among the physical features within the construction area adequately enough to clearly identify potential conflicts. Preferably 1"=40' or 1"=20' for drawing scale.
3. Show locations and limits of proposed construction to include existing and proposed rights-of-way and adjacent easements clearly labeled and dimensioned. Right-of-Way lines shall be labeled "R/W" or "ROW." Clearly differentiate between City of Chandler and others' ROW.
4. Include property addresses and lot lines.
5. Include correct street names
6. Linear trench/bore feet in ROW and private property on plans.
7. Joint trench must identify all companies sharing trench.
8. Include the location and size of all existing and proposed facilities to which the proposed construction will either cross or run parallel within the right-of-way corridor. Indicate lip-of-gutter, edge of pavement, sanitary sewer lines, waterlines, irrigation facilities, other utilities, landscaping, structures, street lights and traffic signals shall be shown, drawn to scale. Simply using a symbol to indicate these facilities is not sufficient.
9. A legend should be included to show all symbology used on plans. Distinguish each type of improvement and differentiate between existing or proposed.
10. Storm drains, sanitary sewer lines, and water lines over 12" in diameter drawn to scale. All conduit systems over 12" diameter/width or larger shall be shown to scale.
11. Identify and dimension paving improvements. In areas with new development, all existing and proposed paving improvements should be shown.
12. Verify bore/trench depths and compliance with MAG Section 360 Telecommunications Installation (Copper or Fiber Optic) City of Chandler Supplements. See [Exhibit C](#), [Exhibit I](#) and [Exhibit K \(Detail C-112\)](#) for additional information.
13. Proposed utility crossings should be at or as near as is practicable to a 90-degree angle to the road monument line.
14. Show all bore/receiving pits and potholes. The City waives the sewer main potholing requirement to help preserve the integrity of the streets. The contractor shall check elevations at the up and down stream manholes.
15. Dimension ties to monument lines in streets and to property lines in alleys and easements, not to back-of-curb, edge of pavement, sidewalk, etc.
16. Topography taken by field or aerial surveys or from up-to-date City record drawings in areas of proposed construction (such as in an area where a CIP or development driven road widening is going to be occurring in the near future).
17. Complete title block.
18. North arrow on each plan sheet, preferably with north up or to the right.
19. Include a vicinity map indicating major cross streets.
20. Include a Blue Stake note or symbol stating, "Notify Arizona Blue Stake two (2) working days before construction."
21. Include or call out all MAG and City of Chandler specifications and details as needed. Refer to City of Chandler Unified Development Manual for all City specifications and details at <http://udm.chandleraz.gov/index.php>.
22. Include City of Chandler [Civil Engineering Utility Company Notes](#), ([Exhibit B](#)).
23. Separation from City of Chandler facilities shall be in accordance with Federal, State and local requirements. See section D of Part IV of this manual (see below), the [Civil](#)

- [Engineering Utility Company Notes \(Exhibit B\)](#), and/or the [Horizontal Directional and Hole-Hog Drilling \(Exhibit I\)](#) as applicable for City of Chandler Requirements.
24. Separation from all other facilities shall be in accordance with Federal, State and local requirements. See section D of Part IV of this manual (see below), the [Civil Engineering Utility Company Notes \(Exhibit B\)](#), and/or the [Horizontal Directional and Hole-Hog Drilling \(Exhibit I\)](#) as applicable for City of Chandler Requirements.
 25. Include trench section detail(s) showing width, depth and number of conduit or pipe. Depth shall be in accordance with the requirements in the City of Chandler [Minimum Cover Requirements \(Exhibit C\)](#). **No direct bury lines permitted.** Unless otherwise noted, all conduits shall be two (2) inch minimum PVC Schedule 40 or better. Conduits should be sized and placed to allow replacement of, or addition of, capacity to existing facilities without disturbing the surface.
 26. All proposed equipment details shall be shown and dimensioned on plan such as pedestals, transformers & pads, switching cabinets, utility vaults, etc.
 27. Include the utility company logo and job number.
 28. Design route of the roadway. If this option is unavailable, identify the conflict on plan. Please note that the City of Chandler prefers utility installation behind the sidewalk and/or back-of-curb. If this option is unavailable, the second option is in the median. The final option should be to install under the roadway due to traffic congestion and pavement damage concerns. A pavement cut of new pavement is not permitted (0-2 years) or may be subject to damage/restoration fees (0-6 years). See section 2.7 of [Chapter 46 of Part VII](#) of Chandler City Code and section 8 of the Permit & [Pavement Fee Schedule](#).
 29. All revisions to approved plans must be made distinctive on the revised plans. "Clouded" representation of revisions to approved plans is the preferred method.

B. Profile Requirements – Complete profile drawings showing the following minimum requirements shall be provided for all projects that require utilities to be bored and for projects that are trenched in areas with proposed grade changes. An accurate profile must be approved before starting the bore. These requirements apply to not only longitudinal and lateral street bores, but also utility bores outside paved areas crossing existing utilities.

1. Profile required per City [Detail C-112](#) – (Refer to [Exhibit I – Horizontal Directional and Hole-Hog Drilling](#) for more info).
2. Show all bore pit locations and indicate the sizes of each pit.
3. Depth of cover or elevations should be taken from existing surface grade at intervals of one hundred (100) feet or less in the same alignment as the proposed construction. If proposed grade changes are planned (such as due to a CIP project), minimum covers should be based on whichever elevations are lower of the existing and proposed grades.
4. For clarity, a vertical scale that adequately depicts installation of existing facilities is required. Please specify scale (1"=2', 1"=3', 1"=4', 1"=5'). Use different vertical and horizontal scales on profile details.
5. Separation from City of Chandler facilities shall be in accordance with Federal, State and local requirements. See section D of Part IV of this manual (see below), the [Civil Engineering Utility Company Notes \(Exhibit B\)](#), and/or the [Horizontal Directional and Hole-Hog Drilling \(Exhibit I\)](#) as applicable for City of Chandler Requirements.
6. Separation from all other facilities shall be in accordance with Federal, State and local requirements. See section D of Part IV of this manual (see below), the [Civil Engineering Utility Company Notes \(Exhibit B\)](#), and/or the [Horizontal Directional and Hole-Hog Drilling \(Exhibit I\)](#) as applicable for City of Chandler Requirements.
7. Existing and proposed grades at intervals of one hundred (100) feet or less in the same alignment as the proposed construction shall be a continuous line on the plans throughout the project.
8. Show all existing and proposed facilities that the proposed construction would cross. Storm drains, sanitary sewers lines, water lines, conduit systems, and other

- underground facilities (e.g. scuppers, catch basins, concrete footings, etc.), drawn to scale.
9. Show sleeve on profile. **No direct bury lines permitted.** Unless otherwise noted, all conduits shall be two (2) inch minimum PVC Schedule 40 or better. Conduits should be sized and placed to allow replacement of, or addition of, capacity to existing facilities without disturbing the surface.
 10. Elevations shall be City of Chandler datum and indicated on the plans, if needed.

C. Underground and Overhead Requirements

1. Temporary overhead services for construction may be permitted for a specified period. No final occupancy will be given until all temporary services are removed. Minimum overhead clearances shall be in accordance with NESC, section 23(for example, typical clearances are 15.5' for insulated communications conductors and 16.0' for 0-750V electric supply cables).
2. Placement of new Aerial facilities and/or poles **IS NOT ALLOWED** including aerial span replacement of faulty fiber/copper/coax cable and over-lashing to existing plant or installation of new strand. Placement of new aerial equipment is also **NOT ALLOWED** including: pole mounted or strand mounted terminators, repeaters, line extenders, transformers, capacitor banks, etc. All new facilities are required to be installed underground. See section 9.2 of [Chapter 46 of Part VII](#) of Chandler City Code.
3. Convert to first existing pole beyond property limits. Place underground all overhead utility lines, either within a proposed development or redevelopment project within public ROW or easements adjacent to the project. Utility poles and lines are defined herein as the poles, structures, wire, aerial cables and related facilities used in the distribution of electricity or in the transmission of telecommunications, telegraph, data, radio or television communications. This requirement includes both new and existing utility lines on and adjacent to the project, including lines which extend across public streets, alleys and/or easements adjacent to the property being developed or redeveloped. Existing utility lines adjacent to a project shall be undergrounded up to the first existing pole beyond the limits of the property. This requirement includes the undergrounding of all existing overhead service lines attached to the lines to be removed along with necessary conduit, supports, restoration, etc., necessary to convert the service line from overhead to underground. The requirement shall apply regardless of the existence of easements for overhead lines. When high-voltage lines (above twelve (12) KV or similar) are present, all lines other than the high-voltage lines shall be placed underground. See Section 4 of [Chapter 47 of Part VII](#) of Chandler City Code.
4. Verify joint trench opportunities with utilities for installations greater than six hundred (600) feet and for arterial crossings. The most common joint trench designs involve some combination of dry utilities, i.e. electric, communication (telephone, cable, cable TV, fiber optic, data lines) and gas, with the exception of high pressure (greater than 60 psig) gas lines and lines that are six (6) inches or greater in diameter. If the associated utilities decline joint trench opportunities, submit written documentation to Utility Coordinator via email, or submit with plan set attached to the [Certificate of Quantity sheet \(Exhibit A\)](#).
5. Show sleeve on profile. **No direct bury lines permitted.** Unless otherwise noted, all conduit shall be 2" minimum PVC Schedule 40 or better. Conduits should be sized and placed to allow replacement of, or addition of, capacity to existing facilities without disturbing the surface.
6. Comply with MAG and the City of Chandler Standard Details and Specifications. Refer to MAG [Section 336 & 360 and Detail 200-1](#), as well as the City of Chandler supplements thereto and additionally, City [Details C-103, C-104, and C-111](#).

D. Utility Clearance Requirements

1. Any and all more stringent separation requirements required by Federal, State, or Local codes or ordinances take precedence.
2. A six-foot minimum horizontal separation from the exterior wall of any underground dry utility shall be provided to the exterior wall of water and sewer mains. All fire lines, regardless of size, (including hydrants and other fire service connections) are considered mains.
3. A three-foot minimum horizontal separation from the exterior wall of any underground dry utility shall be provided to the exterior wall of water and sewer services. This separation applies to open trenching only. Refer to MAG section 608 and the [Horizontal Directional and Hole-Hog Drilling \(Exhibit I\)](#) for clearance requirements while boring.
4. A two-foot minimum vertical separation from the exterior wall of any underground dry utility shall be provided to the exterior wall of all wet utilities.
5. For additional information regarding standard utility locations refer to the City of Chandler Standard Details and Specifications, Street Series, [C-200 – C-254](#).
6. Depth requirements shall be in accordance with City of Chandler [Minimum Cover Requirements](#) or at the discretion of the City Engineer.

E. Above Ground Utility Structures – All permit applications, excluding inside the boundaries of a new subdivision that place an above ground structure greater than 24” must be accompanied by the following.

1. All above ground structures, over three (3) feet in height, shall comply with the development standards of the underlying zoning district. See [Chapter 35 of Part VI](#) of Chandler City Code.
2. Identify potential site for relocation to within neighborhood. Select the site on the basis of aesthetics AND technical/engineering restrictions.
3. Equipment cabinets with air-conditioning shall be enclosed by walls and setback a minimum of fifteen (15) feet from lots where the existing or planned primary use is a residential dwelling
4. Structure must be placed on the same side as refuse containers or utility poles. Do not block trash truck access and alley access.
5. No structure to exceed three (3) feet in height in front yard of residential homes.
6. No structures over eighteen (18) inches in height are allowed within one (1) foot of the back-of-curb or the edge of a sidewalk. No structures over three (3) feet in height are allowed within five and a half (5.5) feet of the back-of-curb except when adjacent to deceleration lanes, parking lanes, right turn lane or bus bays. See paragraph 3 of section 3.6 in the [Street Design and Access Control Technical Design Manual \(TDM #4\)](#).
7. Three (3) photographs of the proposed structure, one (1) at 90 degrees, the other two at 45 degrees on either side of the proposed location. Identify the location of the proposed structure, mark the location with white paint or tape, use an orange traffic cone, etc.
8. Show dimensions of proposed structures (including poles) on the plans.
9. Include a detail(s) of the actual structure(s) being proposed.
10. Verify sight-triangle compliance. No structure to exceed two (2) feet in height within the site triangle. See Figure 5 in the [Street Design and Access Control Technical Design Manual \(TDM#4\)](#) and [City Details C-246, C-247 and C-248](#).
11. Obtain a License from the City to install bus shelter and/or private electrical service in City ROW by submitting a [Building Permit Application \(Exhibit F\)](#).

F. Manhole/Vault Requirements – Manholes, vaults, and handholes must be approved in advance of placement.

1. Include detail of manhole/vault.
2. Submit engineering specifications.

3. Meet or exceed City [Detail C-103](#) specifications (for vaults placed in the roadway).

V. CONSTRUCTION REQUIREMENTS

A. Notification Forms and Construction Schedules

1. All projects require the [Permit Notification Form \(Exhibit G\)](#) to be submitted 24-48 hours before the requested start of work date by email to permit.notification@chandleraz.gov. Do not leave notification on the inspector's cellular telephone. The notification form can be found on the City website at http://www.chandleraz.gov/content/UDM_PrmNt7.pdf or picked up at the engineering counter.
2. Projects with durations of less than three (3) days do not typically require a preconstruction meeting unless specifically noted on the permit or if the project requires a boring operation crossing a residential, arterial, or collector street, all of which require a mandatory inspection. Projects that are indicated on the permit to require a precon regardless of duration may be subject to fines, penalties, or additional requirements (such as pavement reconstruction) if the contractor fails to contact the inspector listed on the permit to set up the preconstruction meeting.
3. All projects with a duration of three (3) days or longer require a preconstruction meeting.

B. All Installations Shall:

1. Be governed by the City [Traffic Barricade Design Manual \(TDM #7\)](#) and/or added specific traffic regulation, which shall be attached to the approved permit whenever applicable.
2. Conform to the latest applicable MAG Uniform Standard Detail and Specifications and the current City of Chandler Supplements thereto.
3. All alley work, no matter the size of the work/staging area, shall have a warning sign acknowledging construction ahead at each alley entrance.
4. Hole-hog boring is prohibited on arterial and collector streets.
5. When utility conflicts are found during the construction phase, all changes and variances must be preceded by an approval plan revision.
6. Spoil piles and contaminated millings shall be removed. Back-dragging dirt is prohibited.
7. AC millings shall be replaced and compacted over the excavation area.

C. Traffic Control Plans

Work in the street will require an approved construction plan and site-specific traffic control plan (TCP) before beginning construction.

1. Traffic Control Plans must be submitted a minimum of 24 hours prior to the requested start time. Traffic Control Plans submitted on Fridays, weekends, or holidays, will have the 24 hour time period begin on the next business day.
2. Traffic control plans can be discussed, but TCP are approved by the Transportation Division. For questions, plan revisions, or date revisions, please contact Steve Lindl, Transportation Engineering Inspector, at (602) 377-0010 (cell), (480) 782-3453 (office), or tcp@chandleraz.gov (email).
3. Construction signs – Refer to ([Exhibit H](#)) for [City Code Section 46-2.7](#) outlining the City ordinance pertaining to construction signs.
4. Any work outside of the time frame requested is not permitted, and is subject to sanctions described in the City [Traffic Barricade Design Manual \(TMD #7\)](#).
5. The contractor is responsible to maintain the work zone and jobsite in a safe manner.

6. The contractor shall insure that all traffic control devices no longer needed are removed from the roadway prior to the Job Foreman leaving the job site for the day.
7. Refer to City of Chandler [Traffic Barricade Design Manual \(TDM #7\)](#) for barricading requirements and additional information.

D. Vacuum excavation in the right of way shall be accomplished as follows:

1. Sanitary sewer location and depth shall be verified by checking BOTH the up and downstream manholes.
2. Restoration – A permit is required for all utility location work.
Temporary Pothole Plates (2x2) – Pothole plates are allowed only during the bore process with a crewmember on-site. Pothole plates must be removed daily and either restored temporarily or permanently. Refer below for options:
 - a. Temporary – Pea gravel for full depth to be re-excavated. Cold mix.
 - b. Permanent – ½ sack slurry. Refer to MAG [Detail 212](#). For restoration refer to MAG [Detail 200-1](#) and City of Chandler [Detail C-111](#).
3. An approved traffic plan must be on site with the crew.
4. Unauthorized nighttime digging is not allowed and penalties will be assessed if caught doing so.
5. At least one hole at each location must be marked with the initials of the excavating company and pothole date. A spray stencil is acceptable.

E. Horizontal Directional and Hog Drilling

1. Bore Profiles are required for all horizontal drilling. Refer to the “[Horizontal Direction and Hog Drilling](#)” policy, ([Exhibit I](#)).
2. All Horizontal Directional Drilling shall be accomplished in accordance with MAG section 608 and City of Chandler Supplemental Specifications and Details.
3. Before street bore or trench that crosses a roadway, the contractor must schedule a field meeting with the City Inspector to verify:
 - a. Each agency has a copy of the approved plans and permit.
 - b. Verify utility survey was conducted. The utility survey is conducted to accurately locate all existing (active or abandoned) utilities within the area of interest that could conflict with the planned installation. Verification of survey will be submittal of an “actual” bore profile, which indicates utility vault inverts and clearances.
 - c. Verification of obvious existing conditions before construction. Existing site conditions along and adjacent to the alignment should be carefully documented (photos and/or video is recommended) to support against claims.
 - d. The City Inspector identifies the restoration limits.
4. Tracing or locating wire shall be installed.

F. Abandonment of Facilities – For all facilities that are being abandoned please refer to ([Exhibit L](#)) for the Abandonment Policy.

G. Utility Inspection and Testing – The utility company is to inspect their work with the City providing periodic oversight. The City Inspector will be responsible for inspecting the restoration of City facilities and MAG requirements/City Supplement to the MAG requirements. Testing will be required according to MAG specifications and City of Chandler Supplement to the MAG. Tickets and test results shall be given to the City’s Utility Coordinator or to the City Inspector upon request.

H. Overtime Request – Overtime/after-hour work will need to be scheduled and approved by the utility coordinator 24-48 hours before overtime work. A letter authorizing payment of overtime work on company letterhead from an authorized agent in conjunction with the City of Chandler “[Request for Inspection Outside Normal Business Hours](#)” form ([Exhibit N](#)) shall

be submitted to the inspector before utility coordinator can approve overtime work. The utility company shall be notified and approve overtime work.

VI. RECORD DRAWINGS (INSTALLATION RECORDS)

“Record Drawings” must be maintained by the owner of the facility in accordance with State Statutes and made available to the City upon request.

This manual summarizes selected City Code and City of Chandler Design Manual provisions to assist private utilities. If any discrepancies exist between this manual and the City Code or the City of Chandler Technical Design Manual (TDM), the respective Code provision or City of Chandler TDM shall prevail over this manual.

For clarification or more information, please contact the Engineering Division’s utility coordinator at 480-782-3310.

VII. EXHIBITS

- A. [Civil Improvements/Encroachment Permit Application, Street Cut Application & Certificate of Quantities](#)
- B. [Civil Engineering Utility Company Notes \(Supplemental Conditions for Approval\)](#)
- C. [Minimum Coverage Requirements](#)
- D. [Plan Review Checklist](#)
- E. [Permit & Pavement Fee Schedule](#) (see section 8 for Transportation & Development)
- F. [Building Permit Application](#)
- G. [Permit Notification Form](#)
- H. [Construction Sign Ordinance](#) (see 46-2.7 Paragraph E)
- I. [Horizontal Directional and Hole-Hog Drilling \(Boring\)](#)
- J. [Pavement Cut Requirements](#)
- K. [Engineered Utility Bore Detail C-112](#)
- L. [Abandoned Utilities in the City’s Right of Way](#), TDP-275
- M. Sight Distance Compliances (see Figure 5 of [Street Design and Access Control Technical Design Manual - TDM #4](#) and City Details [C-246, C-247 and C-248](#)).
- N. [Request for Inspection Outside Normal Business Hours](#)
- O. [Joint Trench Contacts](#)
- P. Ramp Replacement Requirements (see City Details [C-243, C-244, C-245 & C-257](#))
- Q. [List of Approved Products](#)